Amendments to the Claims

Please amend claim 1 as follows:

- (currently amended) An apparatus for partitioning moving picture data comprising:
- a first quantizing unit for first-quantizing a received video signal and outputting a first-quantized signal; and
- a second quantizing unit for second-quantizing the first-quantized signal to produce a re-quantized signal, and partitioning the first-quantized signal into a preceding part generated from inverse-quantizing the re-quantized-signal and a succeeding part and outputting a partitioned stream signal, wherein the preceding part is generated by an inverse quantizing unit that inverse-quantizes the re-quantized signal in which and a difference signal is generated from between the first-quantized signal and the preceding part;
 - a first variable length coding unit for coding the re-quantized signal; and
 - a second variable length coding unit for coding the difference signal.
- 2. (previously presented) An apparatus for partitioning moving picture data comprising:
- a first quantizing unit for first-quantizing a received video signal and outputting a first-quantized signal; the first quantizing unit comprising a first quantizer for quantizing the received video signal, and
- a second quantizing unit for second-quantizing the first-quantized signal and partitioning the first-quantized signal into a preceding part and a succeeding part, wherein the second quantizing unit comprises:
- a second quantizer for re-quantizing the first-quantized signal to generate an output signal;
 - a first variable length coder (VLC) for variable-length coding the output signal generated by the second quantizer;
- a second inverse-quantizer for inverse-quantizing the output signal generated by the second quantizer;
 - a combiner for performing subtraction operation of output signals generated by the

first quantizer and the second-inverse quantizer;

- a second VLC for variable-length coding output signals generated by the third combiner and the second quantizer; and
- a data partitioner for outputting output signals generated by the second VLC and the first VLC.
- 3. (original) The apparatus of claim 1, wherein the preceding part and the succeeding part comprise at least one frequency component.
- 4. (original) The apparatus of claim 2, wherein the second quantizer outputs an even-approximated coefficient as the preceding part by having a quantization interval set to a predetermined value.
- 5. (original) The apparatus of claim 2, wherein an output signal of the third combiner is an odd-remainder coefficient as the succeeding part equal to a predetermined value.
- 6. (original) The apparatus of claim 5, wherein the odd-remainder coefficient comprises code information when the odd-remainder coefficient is equal to a first value and a pertinent even-approximated coefficient is not equal to a second value.
 - 7. (original) The apparatus of claim 6, wherein the first value is approximately 1.
 - 8. (original) The apparatus of claim 6, wherein the second value is approximately 0.
- 9. (original) The apparatus of claim 5, wherein the odd-remainder coefficient as the succeeding part is equal to approximately 0.
- 10. (original) The apparatus of claim 5, wherein the odd-remainder coefficient as the succeeding part is equal to approximately 1.

- 11. (previously presented) An apparatus for partitioning moving picture data comprising:
- a coding unit for outputting a stream comprising a DCT coefficient divided into an even-approximated coefficient and an odd-remainder coefficient by first-quantizing a received video and second-quantizing a first-quantized signal;
- a decoding unit for obtaining a first-quantized signal by performing inverse quantization about the stream generated by the coding unit and obtaining a restored video signal by performing inverse-quantization about the first-quantizing;
 - an inverse-quantizing unit for inverse-quantizing the re-quantized signal and calculating a difference signal based on the first-quantized signal; and
 - a variable-length coding unit for coding the re-quantized signal and the difference signal.
 - 12. (previously presented) An apparatus for partitioning moving picture data comprising:
 - a coding unit for outputting a stream comprising a DCT coefficient divided into an even-approximated coefficient and an odd-remainder coefficient by first-quantizing a received video and second-quantizing a first-quantized signal; and
 - a decoding unit for obtaining a first-quantized signal by performing inversequantization about the stream generated by the coding unit and obtaining a restored video signal by performing inverse-quantization about the first-quantizing, wherein the coding unit comprises:
- a first quantizer for outputting a first-quantized signal by first-quantizing a received video signal;
 - a second quantizer for outputting an even-approximated coefficient by re-quantizing the first-quantized signal;
 - a first VLC (variable length coder) for variable-length coding an output signal of the second quantizer;
 - an inverse-quantizer for inverse-quantizing an output signal of the second quantizer;
 - a combiner for outputting an odd-remainder coefficient by performing subtraction

operation of output signals of the second inverse-quantizer and the first quantizer;

- a second VLC (variable length coder) for variable-length coding output signals of the third combiner and the second quantizer; and
- a data partitioner for outputting output signals of the second VLC and the first VLC as a data-partitioned stream.
- 13. (previously presented) The apparatus of claim 12, wherein an output signal of the combiner is an odd-remainder coefficient.
- 14. (original) The apparatus of claim 13, wherein the odd-remainder coefficient comprises code information when it is equal to a first value and a pertinent even-approximated coefficient is not equal to a second value.
 - 15. (original) The apparatus of claim 12, wherein the decoding unit comprises:
- a divider for dividing the data-partitioned stream into a preceding part and a succeeding part;
- a first VLD (variable length decoder) for outputting an even-approximated coefficient by variable-length decoding the preceding part;
 - a first inverse-quantizer for inverse-quantizing an output signal of the first VLD;
 - a second VLD (variable length decoder) for variable-length decoding the succeeding part;
- a first combiner for outputting a first-quantized signal by combining an output signal of the first inverse-quantizer with an output signal of the second VLD; and
- a second inverse-quantizer for outputting a video signal by performing inversequantization and inverse discrete cosine transform of the first quantized signal.
 - 16. (cancelled)
- 17. (previously presented) A method for partitioning moving picture data, the method comprising:

outputting a first-quantized signal by first-quantizing a received video signal;

part.

partitioning the first-quantized signal into a preceding part and a succeeding part through a second quantization; and

outputting an output signal generated as result of the second quantization as a partitioned stream signal, wherein partitioning comprises:

re-quantizing the first-quantized signal to generate a re-quantized signal; variable-length coding the re-quantized signal;

inverse-quantizing the re-quantized signal and calculating a difference based on the first-quantized signal; and

variable-length coding the calculated difference.

- 18. (original) The method of claim 17, wherein the re-quantized signal is an even-approximated coefficient corresponding to the preceding part.
- 19. (original) The method of claim 17, wherein the calculated difference is an odd-remainder coefficient corresponding to the succeeding part.
- 20. (currently amended) The method of claim 17, wherein a stream is constructed by inserting a texture marker for separating the preceding part and the succeeding part.
- 21. (withdrawn) A method for partitioning moving picture data, the method comprising:

generating a first-quantized signal by first-decoding a received stream; and restoring a video signal by second-decoding the first-quantized signal.

22. (withdrawn) The method of claim 21, wherein the generating comprises: dividing the received stream into a preceding part and a succeeding part; variable-length decoding and inverse-quantizing the preceding part; variable-length decoding the succeeding part; and outputting the first-quantized signal by adding the preceding part to the succeeding

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- 23. (withdrawn) The method of claim 22, wherein the preceding part is an evenapproximated coefficient.
- 24. (withdrawn) The method of claim 22, wherein the succeeding part is an oddremainder coefficient.
- 25. (withdrawn) A system for partitioning moving picture data, the system comprising:
- a first inverse-quantizing mechanism for generating a first-quantized signal by firstquantizing a preceding part and a succeeding part of a data-partitioned stream; and
- a second inverse-quantizing mechanism for outputting a video signal by performing inverse-quantization and inverse discrete cosine transform of the first quantized signal.
- 26. (withdrawn) The system of claim 25, wherein the first inverse-quantizing unit comprises:
- a divider for dividing the received data-partitioned stream into a preceding and a succeeding part;
- a first variable length decoder (VLD) for performing variable-length decoding of the preceding part to generate a first output signal;
 - a first inverse-quantizer for inverse-quantizing the first output signal of the first VLD;
 - a second VLD for performing variable-length decoding of the succeeding part; and
- a first combiner for outputting a first-quantized signal by combining an output signal of the first inverse-quantizer with an output signal of the second VLD.
- 27. (withdrawn) The system of claim 26, wherein an output signal of the first VLD is an even-approximated coefficient.
- 28. (withdrawn) The apparatus of claim 26, wherein an output signal of the second VLD is an odd-remainder coefficient.

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29. (cancelled)

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30. (previously presented) A method of partitioning a streaming data, the method comprising:

quantizing the streaming data to generate a first quantized signal; quantizing the first quantized signal to obtain an even-approximated coefficient; obtaining an odd-remainder coefficient;

variable-length coding the even-approximated coefficient and the odd-remainder coefficient; and

outputting a data-partitioned stream based on said variable length coding. partitioning the data-partitioned stream into a plurality of data streams; variable-length coding the respective data streams;

obtaining an even-approximated coefficient and an odd-remainder coefficient through second-inverse quantization to output a restored video signal, based on a first quantization; calculating a difference signal based on the first-quantized signal; and variable-length coding the calculated difference.